



Figure 1 - Sampling Locations



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Table 1 - Dioxin Concentrations in Sediments from the San Jacinto River (in ng/kg-dw)

STATION	DATE	TOC (%)	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	OCDF	Total TEQ	Average TEQ	OC-normalized Total TEQ (ng/kg-oc)	Average OC-normalized TEQ (ng/kg-oc)
11193	08/08/02	0.54	69	< 0.91	0.4	< 1.2	1	34	1000	290	5.1	6.3	10	1.8	1.1	1.1	6	1.4	20	102.8	102.8	19,040	19,040
11200	09/03/02	0.49	< 0.25	< 0.67	0.24	< 1.2	< 0.59	13	880	< 0.17	< 0.51	< 0.27	< 0.52	< 0.27	< 0.42	< 0.51	0.99	< 0.4	2.5	1.1	1.2	229	248
11200	09/03/02	0.49	< 0.25	< 0.68	< 0.12	< 1.2	< 0.6	19	1300	< 0.17	< 0.51	< 0.27	< 0.53	< 0.27	< 0.42	< 0.51	< 0.2	1.6	5.6	1.3		266	
16622	09/03/02	0.26	< 0.25	< 0.67	0.3	< 1.2	< 0.59	11	390	< 0.26	< 0.51	< 0.29	< 0.53	< 0.27	< 0.42	< 0.51	1	< 0.4	3.3	1.0	1.0	373	373
11193	10/31/02	0.61	44	0.8	0.71	1.8	1.7	51	1500	160	3.9	4.1	4.9	1.9	0.81	0.62	6.4	0.84	32	64.4	64.4	10,563	10,563
11200	11/21/02	0.1	< 0.25	< 0.68	< 0.12	< 1.2	< 0.6	1.9	99	< 0.17	< 0.51	< 0.27	< 0.53	< 0.27	< 0.42	< 0.51	0.36	< 0.4	< 2.4	0.8	0.8	759	759
11193	05/13/03	0.84	94	< 0.67	0.53	1.2	1.5	42	1500	390	7.5	7.5	9.9	2.1	0.61	0.87	6.4	1.3	25	138.4	138.4	16,480	16,480
16622	05/29/03	1.28	0.55	< 0.63	1.7	4.3	4.4	150	6600	1.2	< 0.47	0.82	1.3	1.1	< 0.39	< 0.47	13	1.3	44	6.2	6.2	484	484
11193	03/24/04	1.66	61	2.3	< 2.1	< 3.6	5.5	160	5200	230	6.6	6.2	11	3.6	2.2	1.7	19	2.8	160	94.5	94.5	5,691	5,691
11197	03/24/04	0.48	5.9	0.72	< 0.61	1.7	< 1.4	67	2600	16	< 0.64	0.98	< 1.4	0.62	0.56	0.37	6	0.64	39	10.5	10.5	2,197	2,197
18388	08/02/04	0.9	10	0.87	1.6	4.1	3.6	140	4800	28	2	1.6	2.7	1.4	1.4	0.63	14	2.5	140	18.8	18.8	2,089	2,089
11193	08/11/04	1.52	11	0.46	0.45	0.89	1.1	31	1400	55	1	1.4	0.7	0.49	0.32	< 0.21	2.7	< 0.38	17	18.6	57.4	1,222	3,780
11193	08/11/04	1.52	60	1.9	2	4	5.2	170	7800	260	6	5.7	6.4	2.9	1.3	1	15	2.2	120	96.3		6,337	
18389	08/11/04	0.43	11	0.6	0.76	1.6	1.7	59	2100	33	< 0.2	1.2	1.8	0.77	0.55	0.36	5.6	0.68	56	17.3	17.3	4,027	4,027
11197	08/11/04	1.17	17	1.5	2.3	4.9	5.5	190	7300	53	2.6	2.4	4.5	2.9	1.4	0.89	15	2.1	100	31.1	30.4	2,661	2,600
11197	08/11/04	1.17	17	< 3.9	< 4.3	< 3.3	< 3	190	6800	52	< 2.8	< 2.5	< 2.6	< 2.3	< 2.8	< 2.4	11	< 3.4	110	29.7		2,539	
11193	11/04/04	0.807	31	0.84	0.7	1.5	1.9	57	2000	120	2.5	2.6	3.2	1.1	0.6	< 0.2	8.1	1	100	46.9	43.9	5,811	5,445
11193	11/04/04	0.807	27	0.62	0.73	1.9	2.2	71	2300	100	2.6	2.5	3.4	0.96	0.53	0.39	8	0.92	110	41.0		5,078	
11197	11/09/04	1.66	8.8	0.69	1.1	2.7	2.9	100	3800	26	1.1	1.2	2	0.71	0.82	< 0.27	9.2	1.1	72	15.8	15.8	951	951
7	08/15/05	0.645	9.7	0.38	0.54	1.1	1.3	33	1300	31	0.95	0.92	1.8	< 0.1	0.41	< 0.15	4.8	0.65	65	14.8	14.8	2,296	2,296
6	08/15/05	0.552	7.4	< 0.37	0.9	< 0.37	1.4	40	1500	24	0.83	0.8	1.3	0.64	< 0.21	< 0.32	4.7	0.6	35	11.6	11.6	2,107	2,107
13	08/17/05	0.872	8	0.3	0.42	0.94	1.2	26	730	29	2.5	1.3	2.8	0.97	< 0.092	0.63	3.6	0.57	33	12.9	12.9	1,479	1,479
17	08/17/05	0.832	21	0.55	0.81	1.9	2.3	66	2400	73	2.2	2	3.1	0.86	0.65	0.3	8.1	1.2	86	32.0	32.0	3,847	3,847
21	08/17/05	1.54	27	0.97	1.4	3.3	3.8	100	3900	94	3	2.8	4	1.3	1.1	0.78	10	1.4	68	42.2	42.2	2,738	2,738
5	08/17/05	0.72	6.8	0.41	0.81	1.5	1.6	52	1700	23	0.83	0.86	1.3	0.43	0.42	0.26	5.7	0.68	54	11.5	11.5	1,602	1,602
4	08/17/05	0.562	8.1	0.35	0.56	1.4	1.7	46	1800	28	0.98	0.87	1.4	0.8	0.38	0.27	4.7	0.68	41	13.3	14.9	2,359	2,472
4-DUP	08/17/05	0.636	10	0.48	0.84	1.6	2	56	2000	35	1.3	1.1	2.6	0.78	0.61	< 0.15	6	0.93	51	16.4		2,586	
18	08/17/05	1.02	25	0.97	1.7	3.8	4	120	3700	63	5.1	3.6	4.7	2.8	1.6	2.6	19	3.1	310	38.2	38.2	3,750	3,750
19	08/17/05	0.48	13	0.38	0.76	1.7	1.9	62	2700	41	1.8	1.4	2.3	0.75	0.51	0.41	6.8	0.96	58	20.3	20.3	4,232	4,232
1	08/17/05	1.56	54	1.1	1.2	3	3.2	83	2800	200	5.1	4.5	5.1	2.4	1.2	0.93	8.2	1.6	58	80.1	80.1	5,134	5,134
2	08/17/05	1.37	45	0.94	1.5	3	3.7	96	3600	150	4.8	4	5.8	2	1.1	0.92	9.9	1.7	63	66.3	66.3	4,837	4,837
16	08/18/05	0.528	89	1.1	< 0.11	0.79	0.86	21	590	440	7.6	7.3	7.2	2.3	0.66	0.91	2.9	0.95	8.7	138.2	138.2	26,179	26,179
8	08/18/05	0.884	20	0.59	0.78	1.9	2.2	58	2000	71	2.1	1.9	3	1.1	0.61	0.56	7.3	1.3	90	30.6	30.6	3,465	3,465
9	08/18/05	1.19	7.8	0.49	0.76	1.3	1.8	58	2900	25	0.99	0.84	1.4	< 0.12	0.38	0.3	4.3	0.54	36	13.2	13.2	1,108	1,108
20	08/18/05	0.15	1.2	< 0.082	0.15	0.28	0.33	8.8	330	3.8	0.2	0.14	0.25	0.12	0.13	< 0.069	0.85	< 0.14	6.6	2.0	2.0	1,331	1,331
3	08/18/05	1.24	19	0.59	1	2.3	2.7	77	3200	63	2	1.8	2.7	0.92	0.69	0.27	8.6	1.3	93	29.4	29.4	2,371	2,371
15	08/18/05	10.7	21000	240	3.5	8.2	< 4.5	95	1200	82000	2800	2200	3900	1100	210	410	1100	440	390	30764	32396	287,516	307,353
15-DUP	08/18/05	10.4	23000	290	< 3.5	8.1	< 4.5	90	1200	93000	2900	2300	4600	1200	210	390	1300	520	450	34028		327,190	
14	08/18/05	0.351	24	0.34	0.19	< 0.098	0.43	13	450	85	2.5	2	3.4	0.92	0.27	0.33	2	0.55	7.5	34.4	34.4	9,791	9,791
11	08/18/05	0.83	360	3.7	1.1	2	1.8	75	2700	1400	35	30	47	13	2.7	4.7	18	5.3	65	522.8	547.6	62,987	65,774
11-DUP	08/18/05	0.835	390	3.9	1.1	2.7	2.6	90	2300	1600	36	31	40	11	2.5	4.3	14	4.3	47	572.5		68,561	
10	08/30/05	0.961	110	< 0.25	0.96	2.3	2.4	68	2700	380	11	9.2	15	3.5	1.1	1.8	11	2.3	89	155.6	155.6	16,188	16,188
12	08/30/05	1.64	35	0.92	6.2	15	5.3	1300	11000	130	3.9	3.7	6	2.4	1.7	0.9	52	3.8	390	70.9	70.9	4,321	4,321
11193	08/11/11	0.29	45	1.3	1.3	2.6	3.5	120	4200	210	4.2	4.1	7.8	2.5	1.3	< 1.1	13	1.4	170	73.3	73.3	25,264	25,264
11197	06/25/12	0.36	6	0.36	0.64	1.3	1.8	57	25	23	0.81	0.79	0.93	0.48	0.39	0.26	4.9	0.56	47	10.1	10.1	2,819	2,819
15301	08/20/12	0.23	3.9	0.17	0.36	0.76	0.87	25	77	1	0.35	0	0.45	0.27	< 0.29	0.15	5.6	0.35	67	4.8	4.8	2,102	2,102

Values reported to the detection limit

For TEQ calculations, non-detects assumed as 1/2 MDL.

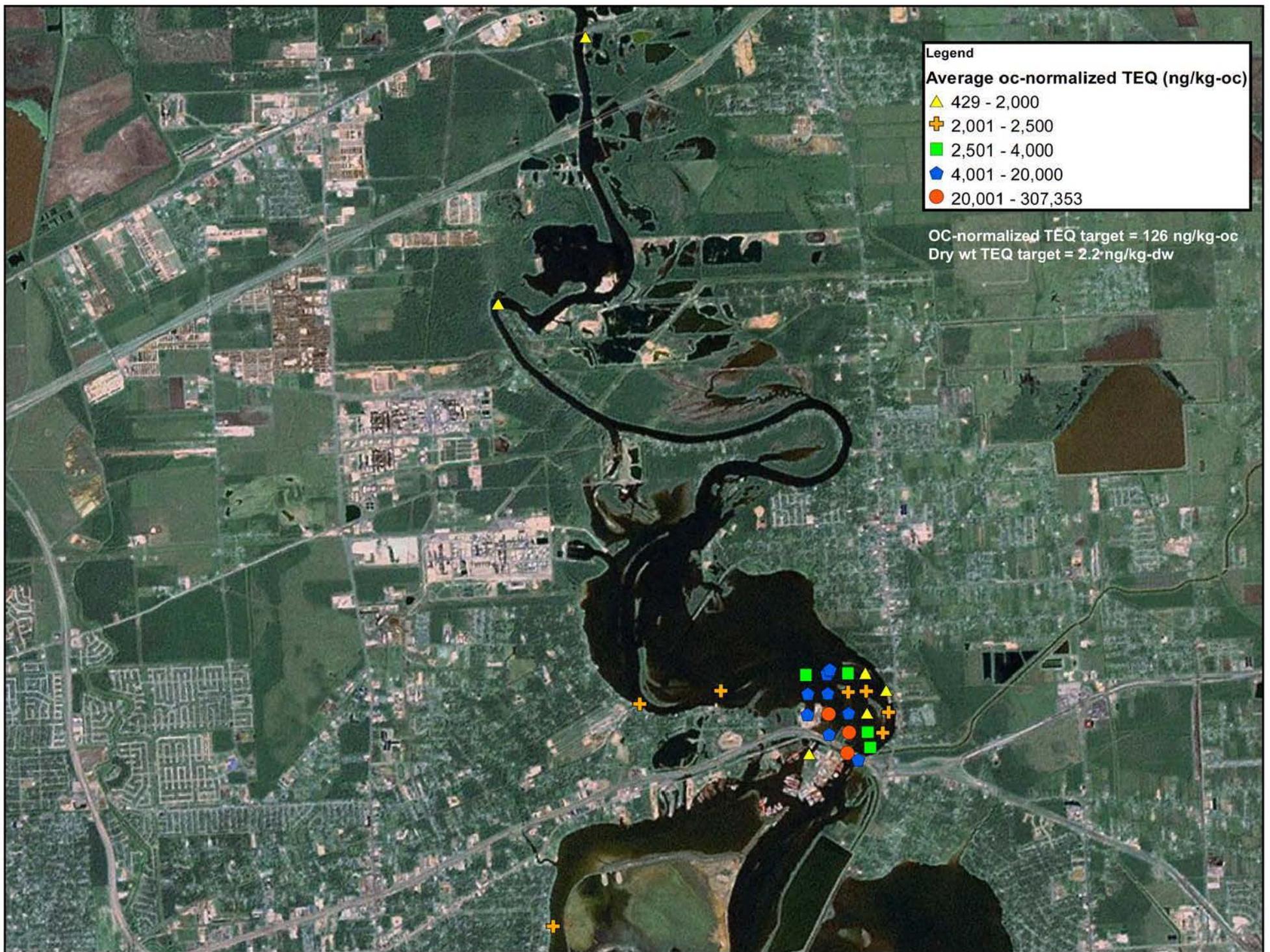


Figure 2 - Average Dioxin Concentrations in Sediment Samples from the SJR (2002-2012)

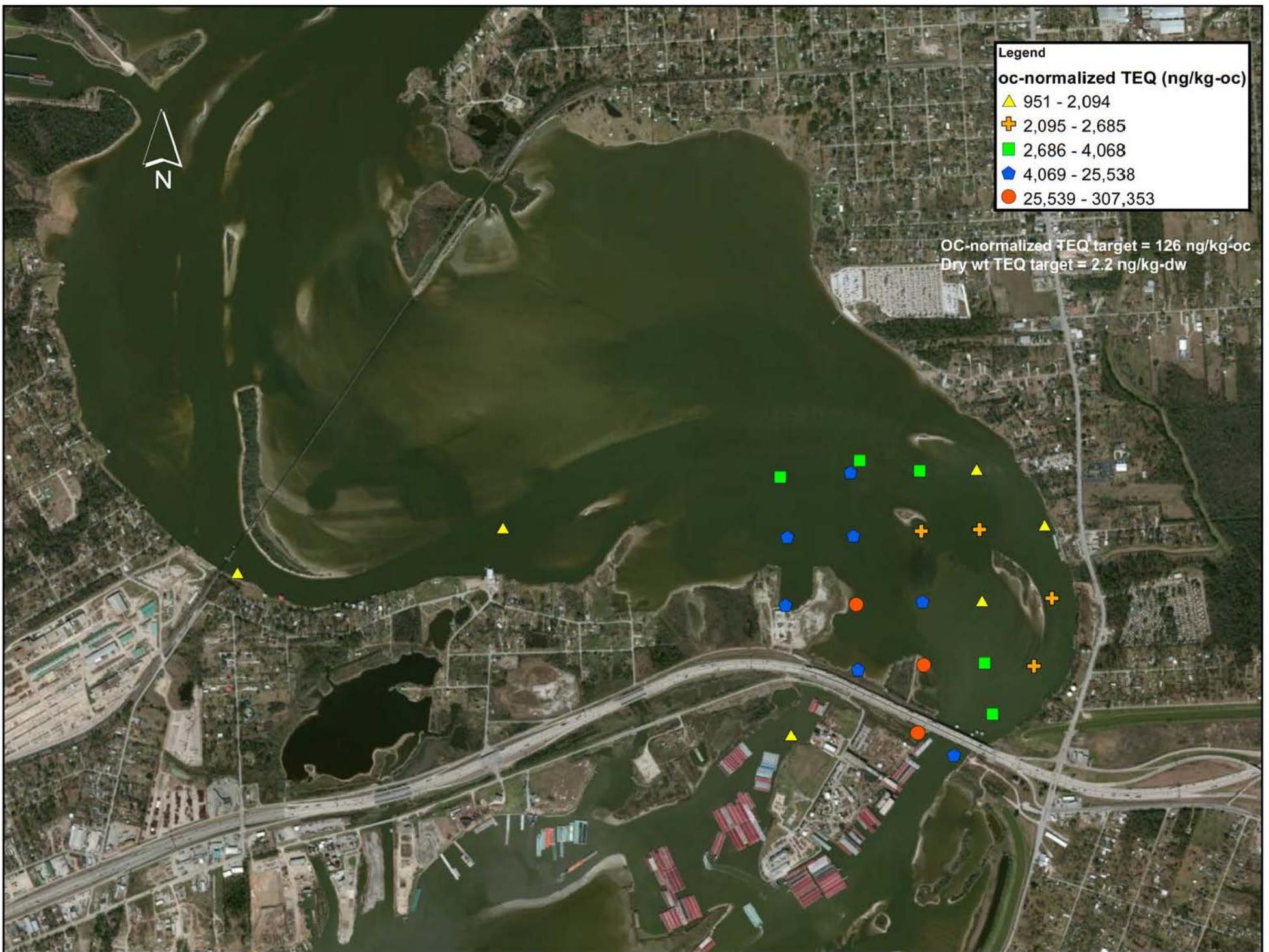


Figure 3 - Dioxin Concentrations in Sediment Samples from the SJR (Fall 2004 and Summer 2005)

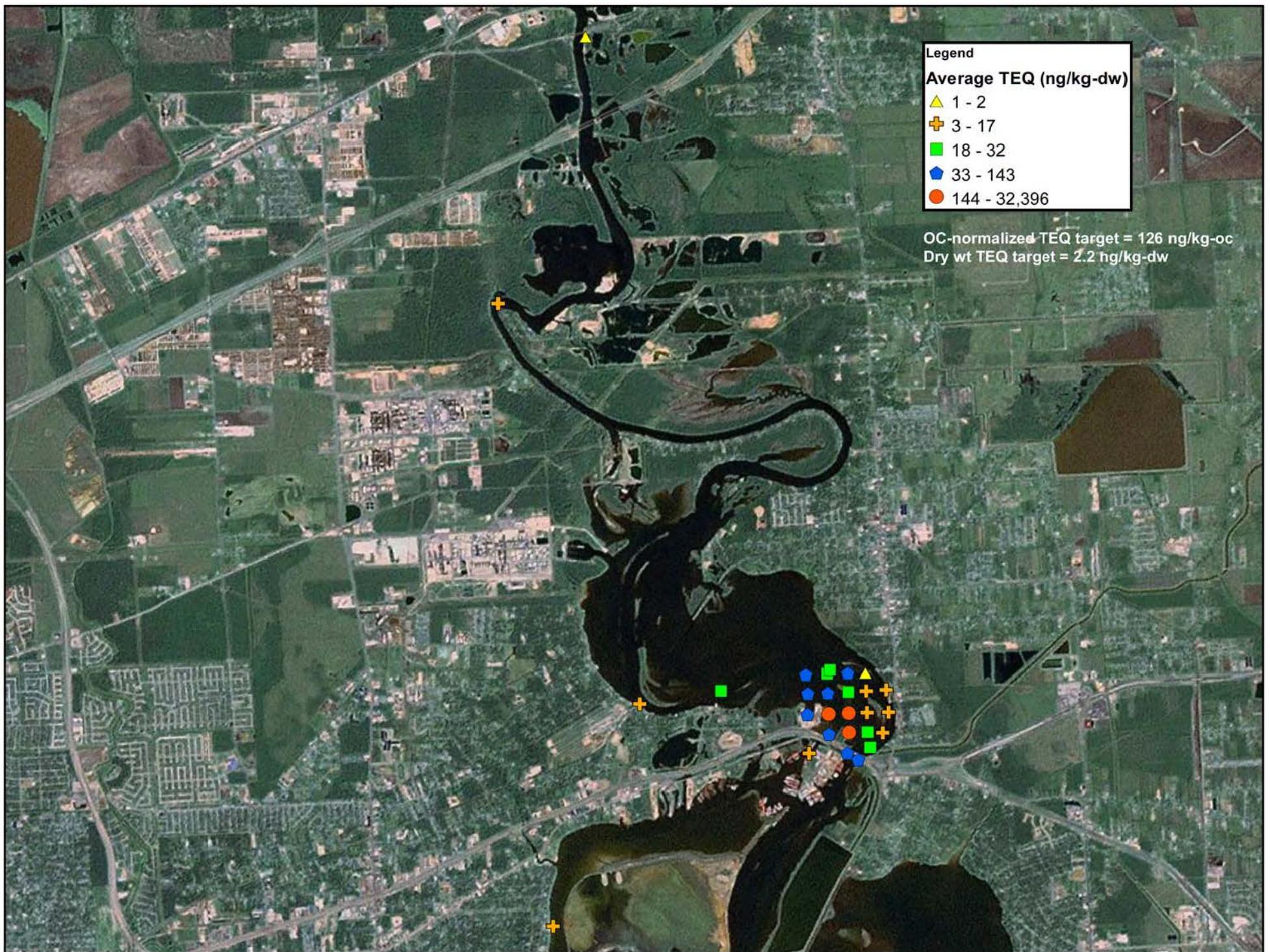


Figure 4 - Average Dioxin Concentrations in Sediment Samples from the SJR (2002-2012)

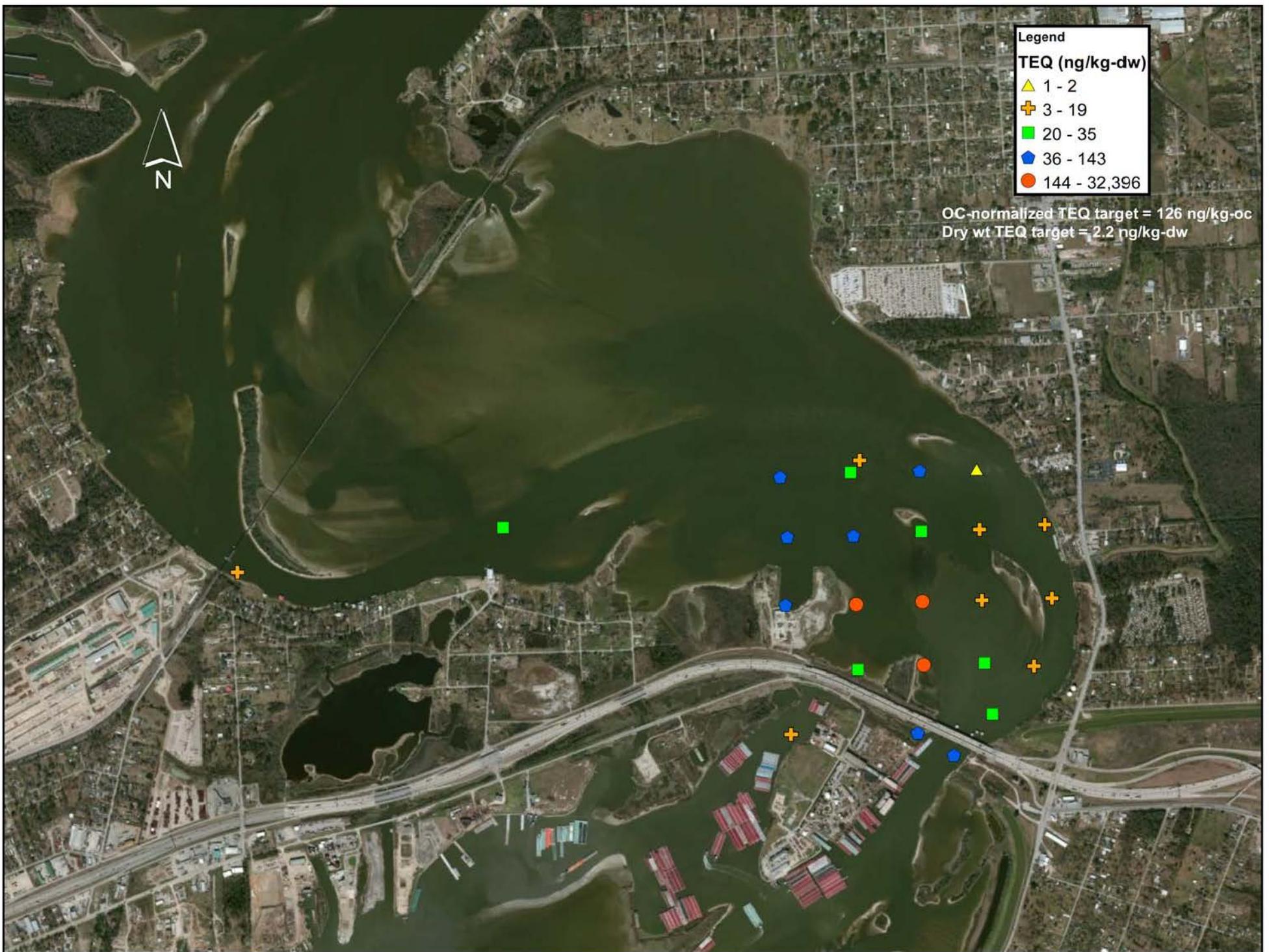
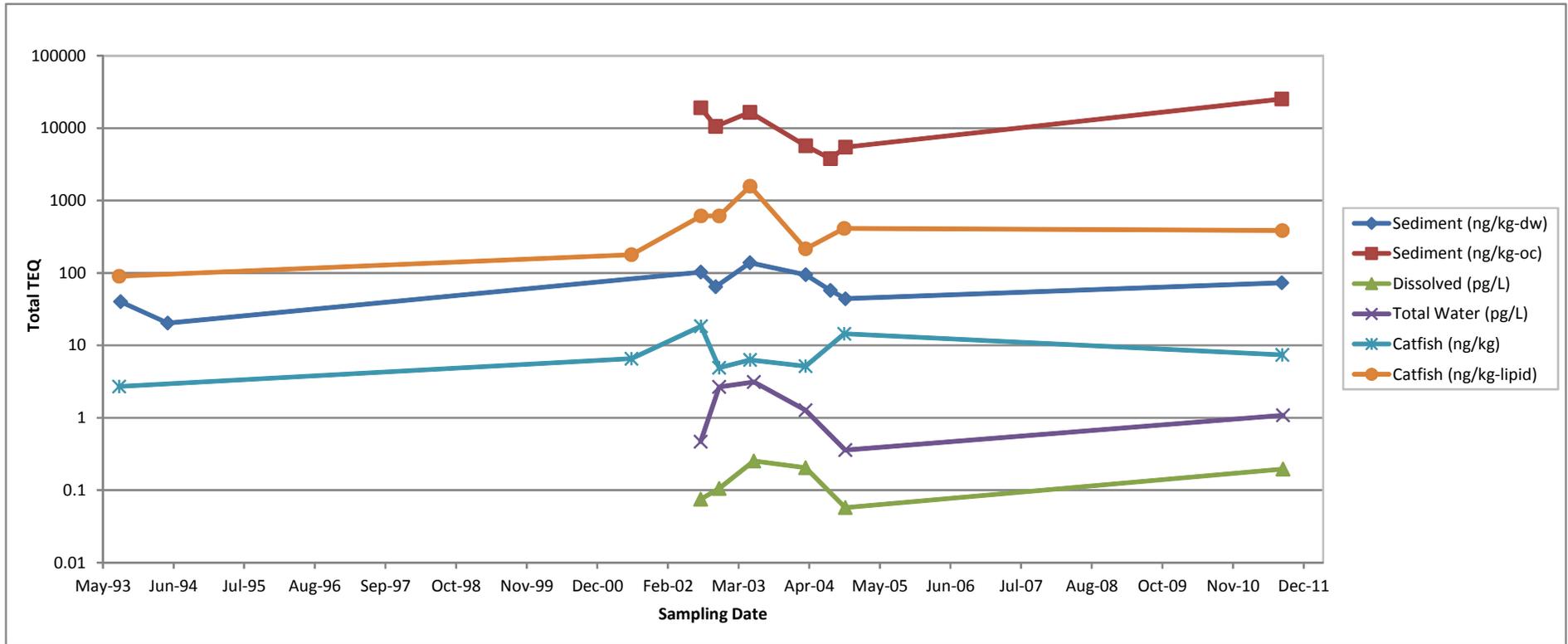


Figure 5 - Dioxin Concentrations in Sediment Samples from the SJR (Fall 2004 and Summer 2005)



Lines are drawn to facilitate visualization only and do not imply continuity.

Figure 6 - Time Series of Dioxin Concentrations in San Jacinto River at I-10 (Station 11193)

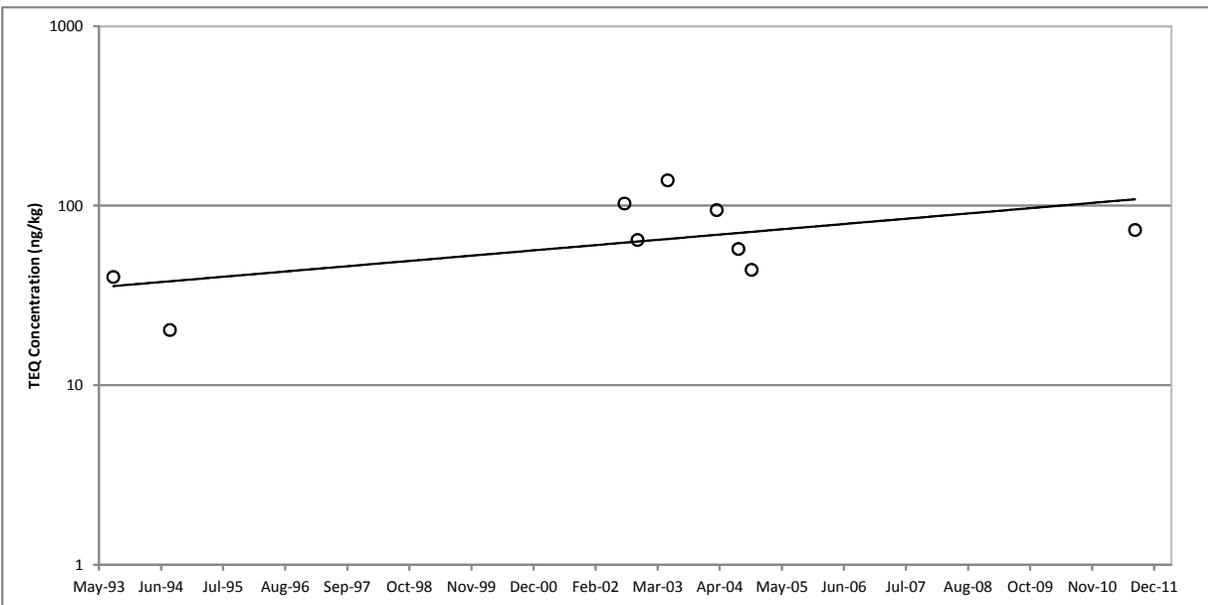
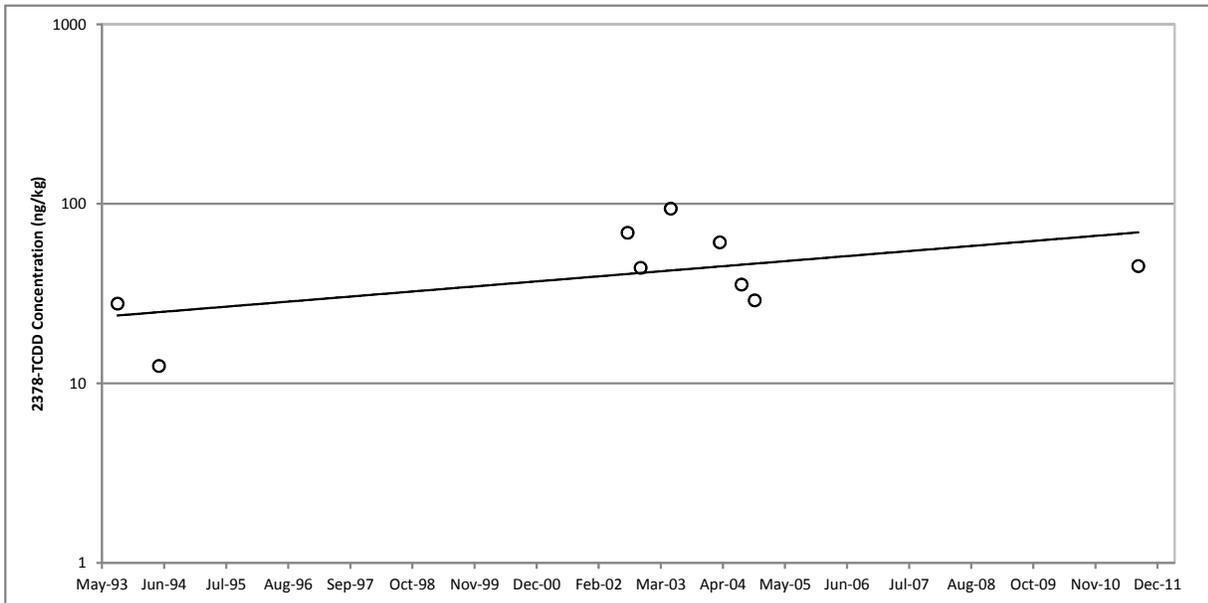


Figure 7 - Long Term Trend of Dioxin Concentrations in Sediments from the San Jacinto River (Station 11193)